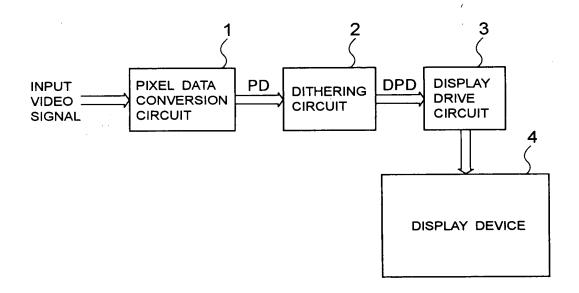


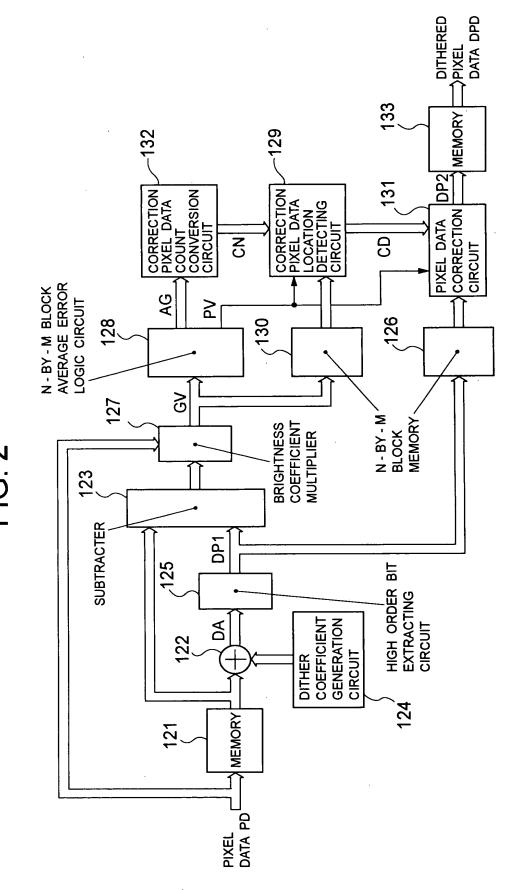
1 / 15

Inventor Name: Masahiro SUZUKI, et al
Title: Gray Scale Processing System and Display Device
Appln No.: 10/736,710
Group Art Unit: 2671
Sughrue Ref No.: Q78534
Sughrue Tele No.: 202-293-7060
Sheet i of 15

FIG. 1



2/15

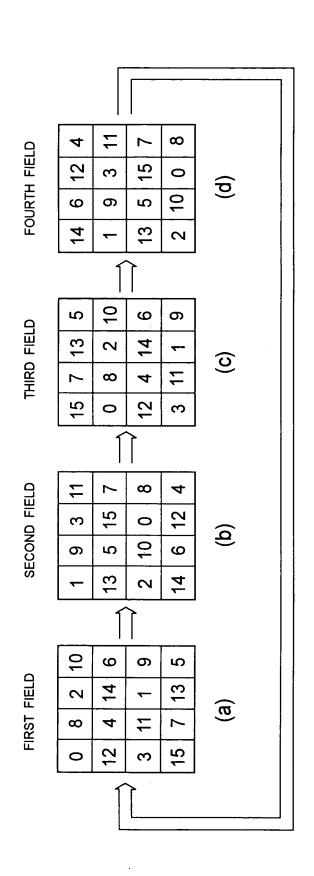


Inventor Name:Masahiro SUZUKI, et al Title: Gray Scale Processing System and Display Device Appln No.: 10/736,710
Group Art Unit: 2671
Sughrue Ref No.: Q78534
Sughrue Tele No.: 202-293-7060
Sheet 3\_\_ of \5

FIG. 3

		G1				G2					
										<b>.</b>	
PD <sub>1,1</sub>	PD <sub>1,2</sub>	PD <sub>1,3</sub>	PD <sub>1,4</sub>	PD <sub>1,5</sub>	PD <sub>1,6</sub>	PD <sub>1,7</sub>	PD <sub>1,8</sub>	PD <sub>1,9</sub>			PD <sub>1,m</sub>
PD <sub>2,1</sub>	PD <sub>2,2</sub>	PD <sub>2,3</sub>	PD <sub>2,4</sub>	PD <sub>2,5</sub>	PD <sub>2,6</sub>	PD <sub>2,7</sub>	PD <sub>2,8</sub>	PD <sub>2,9</sub>	7	Γ	
PD <sub>3,1</sub>	PD <sub>3,2</sub>	PD3,3	PD3,4	PD3,5	PD3,6	PD3,7	PD3,8	PD3,9			
PD <sub>4,1</sub>	PD <sub>4,2</sub>	PD <sub>4,3</sub>	PD <sub>4,4</sub>	PD <sub>4,5</sub>	PD <sub>4,6</sub>	PD <sub>4,7</sub>	PD <sub>4,8</sub>	PD <sub>4,9</sub>			
PD <sub>5,1</sub>	PD <sub>5,2</sub>	PD5,3	PD5,4	PD5,5	PD5,6	PD5,7	PD5,8	PD5,9			
PD <sub>6,1</sub>	,								7	$\int$	
PD <sub>7,1</sub>		,									
PD <sub>8,1</sub>											
PD <sub>9,1</sub>											
PD <sub>n,1</sub>											PD <sub>n,m</sub>

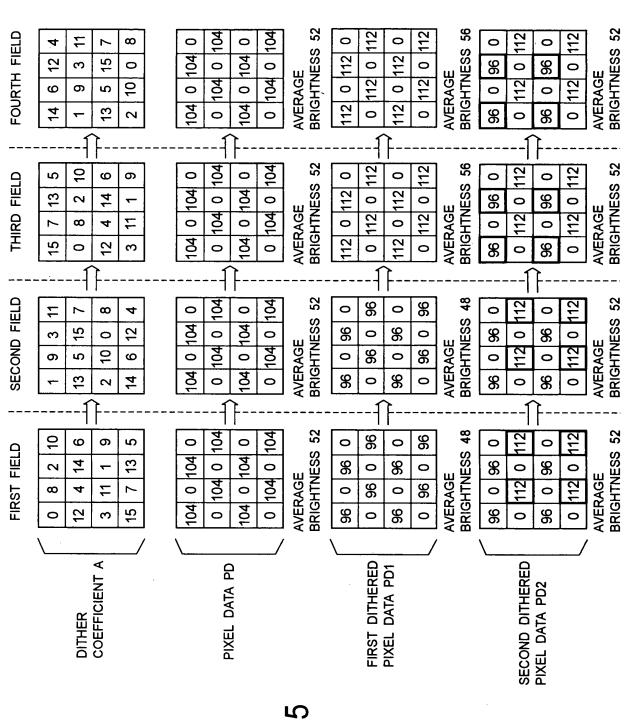
4/15



Title: Gray Scale Processing System and Display Device

Appln No.: 10/736,710
Group Art Unit: 2671
Sughrue Ref No.: Q78534
Sughrue Tele No.: 202-293-7060
Sheet of Sheet

5 / 15



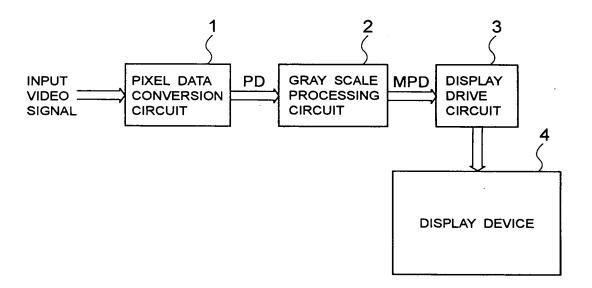
<u>-1</u>G.

Inventor Name: Masahiro SUZUKI, et al

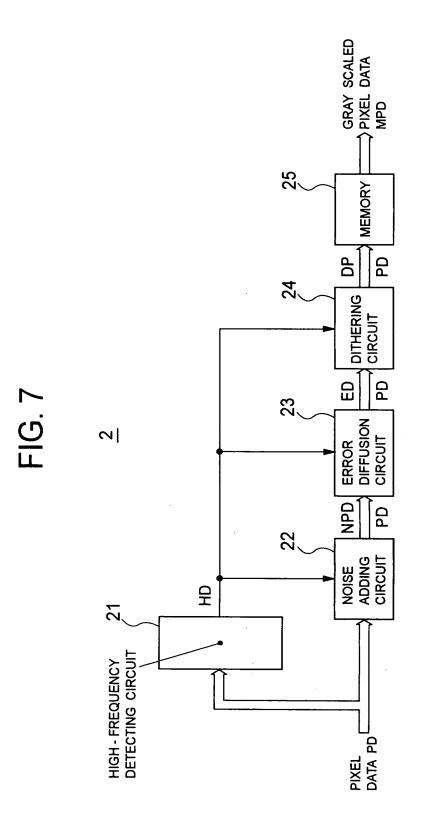
Title: Gray Scale Processing System and Display Device

Appln No.: 10/736,710
Group Art Unit: 2671
Sughrue Ref No.: Q78534
Sughrue Tele No.: 202-293-7060
Sheet 6 of 5

FIG. 6



Inventor Name: Masahiro SUZUKI, et al
Title: Gray Scale Processing System and Display Device
Appln No.: 10/736,710
Group Art Unit: 2671
Sughrue Ref No.: Q78534
Sughrue Tele No.: 202-293-7060
Sheet \_\_\_\_ of

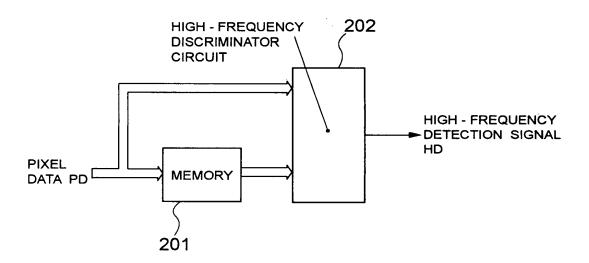


Inventor Name:Masahiro SUZUKI, et al Title: Gray Scale Processing System and Display Device Appln No.: 10/736,710 Group Art Unit: 2671 Sughrue Ref No.: Q78534 Sughrue Tele No.: 202-293-7060 Sheet of 15

8 / 15

FIG. 8

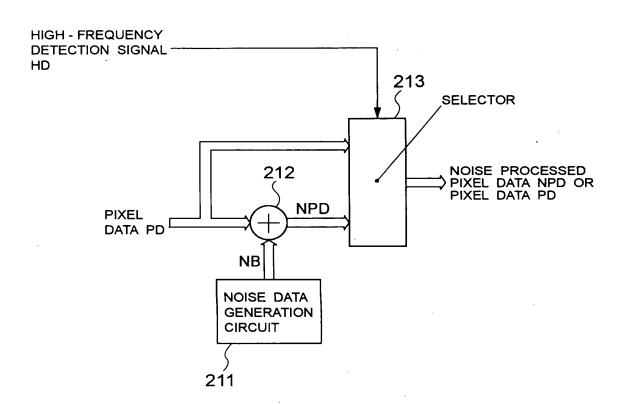
## <u>21</u>



9 / 15

FIG. 9

<u>22</u>

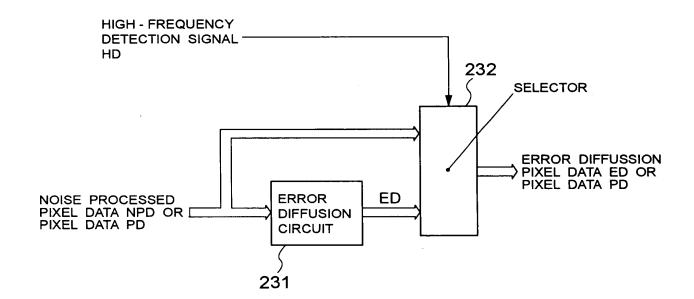


Inventor Name:Masahiro SUZUKI, et al Title: Gray Scale Processing System and Display Device Appln No.: 10/736,710 Group Art Unit: 2671 Sughrue Ref No.: Q78534 Sughrue Tele No.: 202-293-7060 Sheet O

10 / 15

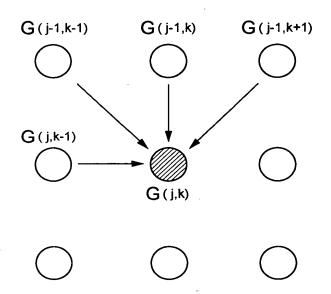
## FIG. 10

23



Inventor Name:Masahiro SUZUKI, et al
Title: Gray Scale Processing System and Display Device
Appln No.: 10/736,710
Group Art Unit: 2671
Sughrue Ref No.: Q78534
Sughrue Tele No.: 202-293-7060
Sheet \(\frac{1}{2}\) of \(\frac{5}{2}\)

FIG. 11

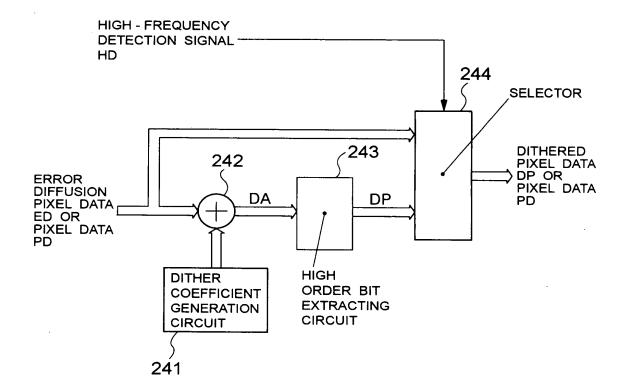


Title: Gray Scale Processing System and Display Device Appln No.: 10/736,710
Group Art Unit: 2671 Sughrue Ref No.: Q78534

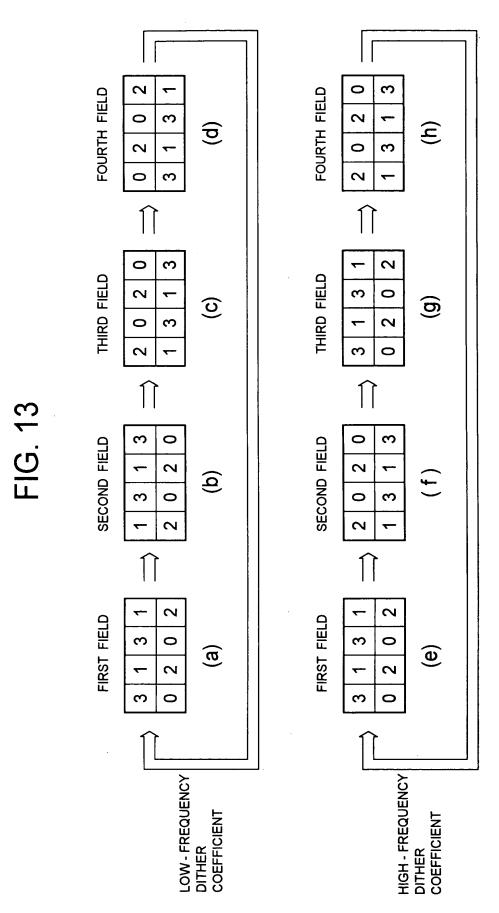
Sughrue Tele No.: 202-293-7060 Sheet 12 of 15

12 / 15

## **FIG.12**



13 / 15



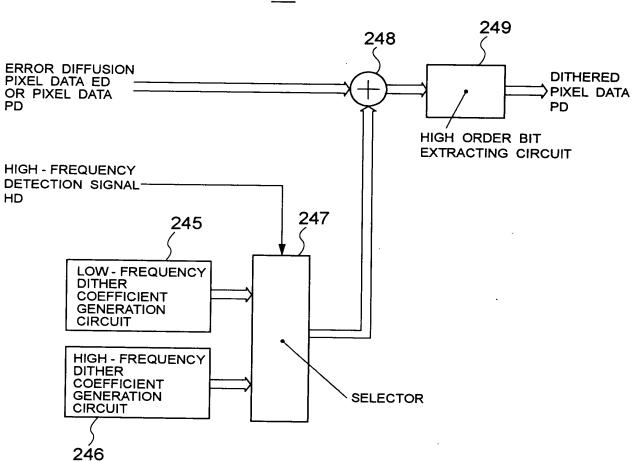
Inventor Name:Masahiro SUZUKI, et al Title: Gray Scale Processing System and Display Device Appln No.: 10/736,710

Group Art Unit: 2671 Sughrue Ref No.: Q78534
Sughrue Tele No.: 202-293-7060
Sheet 14 of 15

14 / 15

FIG. 14

24



Inventor Name:Masahiro SUZUKI, et al
Title: Gray Scale Processing System and Display Device
Appln No.: 10/736,710
Group Art Unit: 2671
Sughrue Ref No.: Q78534
Sughrue Tele No.: 202-293-7060
Sheet 5 of 15

15 / 15

					·
FOURTH FIELD	3 1 3 1	4 4 4 4 4 4 A A A B A A BRIGHTNESS 5 (i)	<ul> <li>4 0 4 0</li> <li>0 4 0 4</li> <li>average</li> <li>BRIGHTNESS 2</li> <li>(0)</li> </ul>	⇒ 2 0 2 0 1 3 1 3 1 3 (t)	4 0 4 0 8 0 8 AVERAGE BRIGHTNESS 3 (X)
		4 ® °	[		[O] 4 €
THIRD FIELD	1 3 1 3	SS:	4 0 4 0 0 8 0 8 AVERAGE BRIGHTNESS 3	3 1 3 1 3 1 <b>(S)</b>	8 0 8 0 0 4 0 4 AVERAGE BRIGHTNESS 3
SECOND FIELD	2 0 2 0	4 8 4 8 4 4 4 4 4 AVERAGE BRIGHTNESS 5 (g)	4 0 4 0 0 4 0 4 AVERAGE BRIGHTNESS 2 (m)	2 0 2 0 1 3 1 3 1 3 (r)	4 0 4 0 8 0 8 AVERAGE BRIGHTNESS 3 (V)
FIRST FIELD	3 1 3 1 0 2 0 2 (b)	8 4 8 4 4 4 4 4 AVERAGE BRIGHTNESS 5 (f)	8 0 8 0 0 4 0 4 AVERAGE BRIGHTNESS 3	3 1 3 1 (d)	8 0 8 0 0 4 0 4 AVERAGE BRIGHTNESS 3
	DITHER COEFFICIENT A	5 5 5 5 5 5 5 5 (a)	5 0 5 0 0 5 0 5 (K)	DITHER COEFFICIENT B	FIG. 15